

I Claim:

1. In an enclosure having a roof, thermal storage means located above the roof, and movable panels over the thermal storage means for solar energy collection or dissipation of heat, the improvement comprising a temperature modulating assembly, the assembly further comprising:

a fixed panel positioned above or adjacent the thermal storage means; and

at least a pair of movable panels, each positioned at different levels with respect to the fixed panel, each movable panel capable of covering and exposing thermal storage means on a side of the fixed panel, wherein portions or all of the movable panels are positioned beneath the fixed panel when covering or exposing the thermal storage means.

2. The improvement of claim 1, wherein the enclosure includes a plurality of the temperature modulating assemblies.

3. The improvement of claim 1, wherein the fixed panel supports one or more of a solar still, a water heater, an

antenna, photovoltaic cells, wiring, lightning rods, or combinations thereof.

4. The improvement of claim 1, wherein the fixed panel is positioned over the thermal storage means.

5. The improvement of claim 1, wherein the fixed panel is positioned adjacent the thermal storage means.

6. The improvement of claim 5, wherein an area in the enclosure beneath the fixed panel is separate from another area in the enclosure beneath the thermal storage means.

7. The improvement of claim 6, wherein at least one air moving device is positioned between the area and other area for temperature modulation between the areas.

8. The improvement of claim 1, wherein the enclosure includes a first area with the thermal storage means and the temperature modulating assembly and a second area without the thermal storage means and the temperature modulating assembly.

9. In a method of modulating the temperature in an enclosure having a roof, thermal storage means located above the roof, and movable panels over the thermal storage means for solar energy collection or radiation of heat, wherein the movable panels are positioned for heating and cooling purposes, the improvement comprising:

providing a fixed panel positioned over or adjacent a thermal storage area, and at least two other panels movable with respect to the fixed panel; and

positioning one or both of the two other panels beneath a portion or all of the fixed panel for solar energy collection or heat dissipation.

10. The method of claim 9, wherein the fixed panel supports one or more of a solar still, a water heater, an antenna, photovoltaic cells, wiring, lightning rods, or combinations thereof.

11. The method of claim 9, wherein the fixed panel is positioned over the thermal storage means.

12. The method of claim 9, wherein the fixed panel is positioned adjacent the thermal storage means.

13. The method of claim 12, wherein area in the enclosure beneath the fixed panel is separate from area beneath the thermal storage means.

14. The method of claim 13, further comprising moving air between the areas for temperature modulation between the areas.